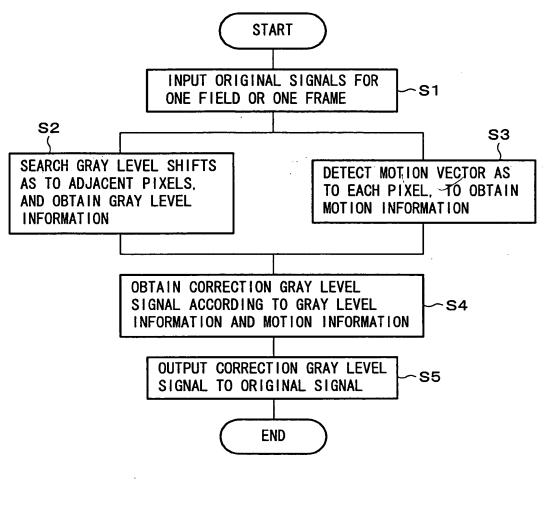
F I G. 1



BEST AVAILARI F COLY

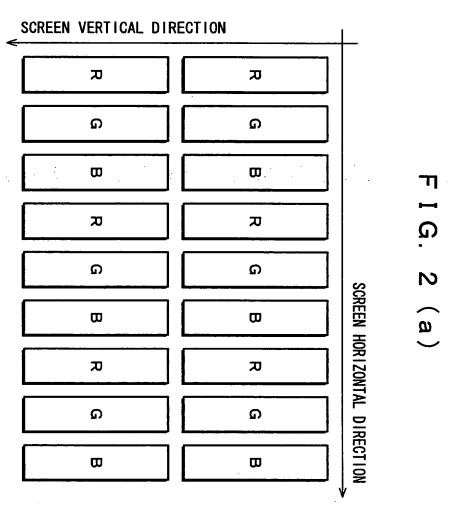
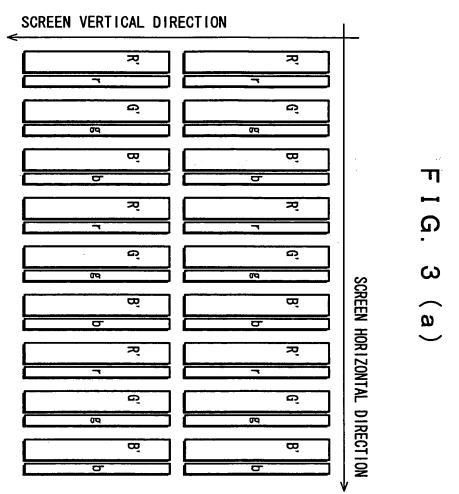


 FIG. 2 (b)



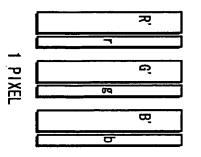
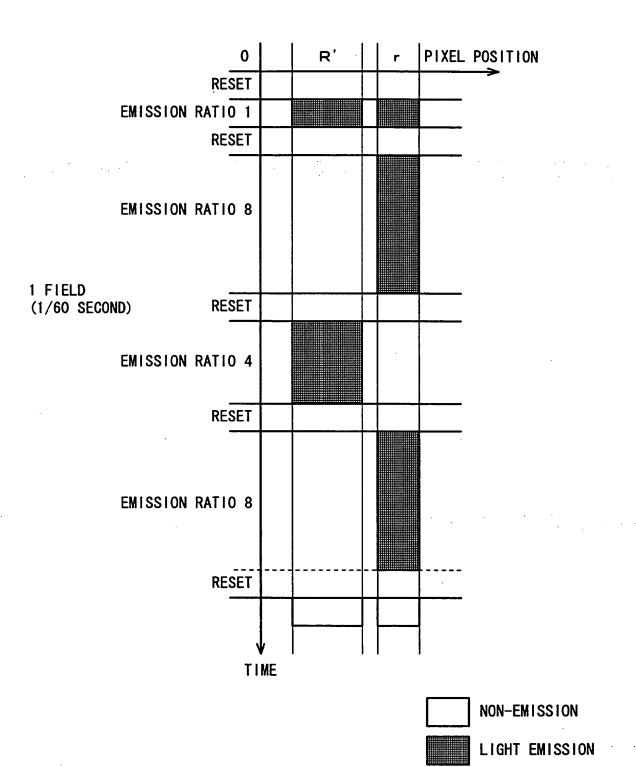


FIG. 3 (b)

F I G. 4



F I G. 5

FIRST REDUNDANCY SIGNAL PATTERN 1

SUB-F1ELD	SI	-1	SI	-2	SF	-3	SI	4
TIME DIVISION RATIO			8	3	4	1	8	3
PIXEL DIVISION RATIO	1	2	1	2	1	2	1	2
GRAY LEVEL/ WEIGHT TOTAL	1	2	8	16	4	8	8	16
0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0
4	0	0	0	0	1	0	0	0
5	1	0	0	0	1	0	0	0
6	0	1	0	0	1	0	0	0
7	1	1	0	0	1	0	0	0
8	0	0	0	0	0	1	0	0
9	1	0	0	0	0	1	0	0
10	0	1	0	0	0	1	0	0
11	1	1	0	0	0	1	0	0
12	0	0	0	0	1	1	0	0
13	1	0	0	0	1	1	0	0
14	0	1	0	0	1	1	0	0
15	1	1	0	0	1	1	0	0
16	0	0	1	0	0	0	1	0
17	1	0	1	0	0	0	1	0
18	0	1.	1	0	0	0	1	0
19	1	1	1	0	0	0	1	0
20	0	0	1	0	1	0	1	0
21	1	0	1	0	1	0	1	0
22	0	1	1	0	1	0	1	0
23	1	1	1	0	1	0	1	0
24	0	0	1	0	0	1	1	0
25	1	0	1	0	0	1	1	0
26	0	1	1	0	0	1	1	0
27	1	1	1	0	0	1	1	0
28	0	0	1	0	1	1	1	0
29	1	0	1	0	1	1	1	0
30	0	1	1	0	1	1	1	0
31	1	1	1	0	1	1	1	0

						٠.		•
SUB-FIELD	SI	-1	SI	-2	Si	-3	SI	-4
TIME DIVISION RATIO		1	8	3	4	1	8	3
PIXEL DIVISION RATIO	1	2	1	2	1	2	1	2
GRAY LEVEL/ WEIGHT TOTAL	1	2	8	16	4	8	8	16
32	0	0	0	1	0	0	Ö	1
33	1	0	0	1	0	0	0	1
34	0	1	0	1	0	0	0	1
35	1	1	0	1	0	0	0	1
36	0	0	0	1	1	0	0	1
37	1	0	0	1	1	0	0	1
38	0	1	0	1	1	0	0	1
39	1	1	0	1	1	0	0	1
40	0	0	0	1	0	1	0	1
41	1	0	0	1	0	1	0	1
42	0	1	0	1	0	1	0	1
43	1	1	0	1	0	1	0	1
44	0	0	0	1	1	1	0	1
45	1	0	0	1	1	1	0	1
46	0	1	0	1	1	1	0	1
47	1	1	0	1	1	1	0	1
48	0	0	1	1	0	0	1	1
49	1	0	1	1 :	0	0	1	1
50	0	1	1	1	0	0.	1	1
51	1	1	1	1	0	0	1	1
52	0	0	1	1	1	0	1	1
53	1	0	1	1	1	0	1	1
54	0	1	1	1	1	0	1	1
55	1	1	1	1	1	0	1	1
56	0	0	1	1	0	1	1	1
57	1	0	1	1	0	1	1	1
58	0	1	1	1	0	1	1	1
59	1	1	1	1	0	1	1	1
60	0	0	1	1	1	1	1	1
61	1	0	1	1	1	1	1	1
62	0	0	1	1	1	1	1	1
63	1	1	1	1	1	1	1	1

F I G. 6

FIRST REDUNDANCY SIGNAL PATTERN 2

SUB-FIELD	SF	-1	SF	2	SF	-3	SF	4
TIME DIVISION RATIO	1		w	3	4	1	æ	3
PIXEL DIVISION RATIO	1	2	1	2	1	2	1	2
GRAY LEVEL/ WEIGHT TOTAL	1	2	8	16	4	8	8	16
0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0
4	0	0	0	0	1	0	0	0
5	1	0	0	0	1	0	0	0
6	0	1	0	0	1	0	0	0
7	1	1	0	0	1	0	0	0
8	0	0	1	0	0	0	0	0
9	1	0	1	0	0	0	0	0
10	0	1	1	0	0	0	0	0
11	1	1	1	0	0	0	0	0
12	0	0	1	0	1	0	0	0
13	1	0	1	0	1	0	0	0
14	0	1	1	0	1	0	0	0
15	1	1	1	0	1	0	0	0
16	0	0	1	0	0	1	0	0
17	.1	0	1	0	0	1	0	0
18	0	1	1	0	0	1	0	0
19	1	1	1	0	0	1	0	0
20	0	0	1	0	1	1	0	0
21	1	0	1	0	1	1	0	0
22	0	1	1	0	1	1	0	0
23	1	1	1	0	1	1	0	0
24	0	0	0	1	0	0	1	0
25	1	0	0	1	0	0	1	0
26	0	1	0	1	0	0	1	0
27	1	1	0	1	0	0	1	0
28	0	0	0	1	1	0	1	0
29	1	0	0	1	1	0	1	0
30	0	1	0	1	1	0	1	0
31	1	1	0	1	1	0	1	0

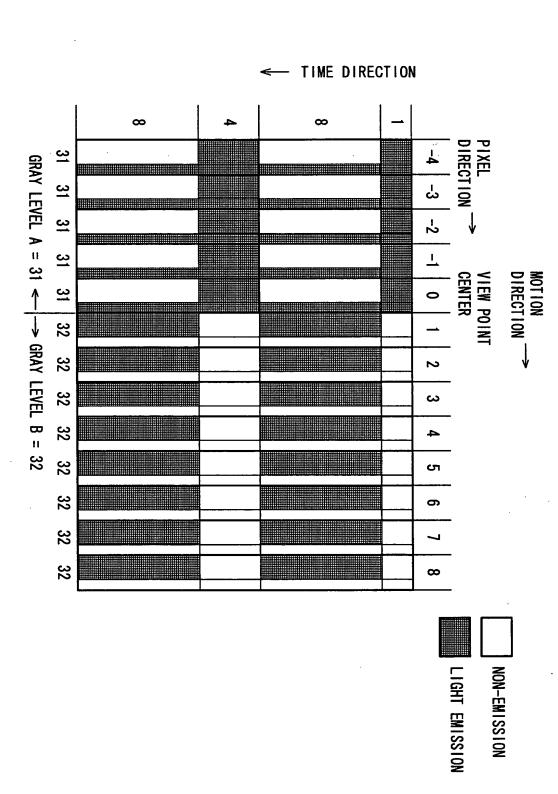
SUB-FIELD	SF	-1	SF	-2	SF	-3	SF	4
TIME DIVISION RATIO	1		8	3	4	;	8	3
PIXEL DIVISION RATIO	1	2	1	2	1	2	1	2
GRAY LEVEL/ WEIGHT TOTAL	1	2	8	16	4	8	8	16
32	0	0	0	1	0	1	1	0
33	1	0	0	1	0	1	1	0
34	0	1	0	1	0	1	1	0
35	1	1	0	1	0	1	1	0
36	0	0	0	1	1	1	1	0
37	1	0	0	1	1	1	1	0
38	0	1	0	1	1	1	1	0
39	1	1	0	1	1	1	1	0
40	0	0	1	1	0	0	0	1
41	1	0	1	1	0	0	0	1
42	0	1	1	1	0	0	0	1
43	1	1	1	1	0	0	0	1
44	0	0	1	1	1	0	0	1
45	1	0	1	1	1	0	0	1
46	0	1	1	1	1	0	0	1
47	1	1	1	1	1	0	0	1
48	0	0	1	1	0	1	0	1
49	1	0	1	1	0	1	0	1
50	0.	1	1	1	0	1	0	1
51	1	1	1	1	0	1	0	1
52	0	0	1	1	1	1	0	1
53	1	0	1	1	1	1	0	1
54	0	1	1	1	1	1	0	1
55	1	1	1	1	1	1	0	1
56	0	0	1	1	0	1	1	1
57	1	0	1	1	0	1	1	1
58	0	0 1 1	1	1	0	1	1	1
59	1	1	1	1	0	1	1	1
60	0	0	1	1	1	1	1	1
61	1	0	1	1	1	1	1	1
62	0	1	1	1	1	1	1	1
63	1	1	1	1	1	1	1	1

F I G. 7

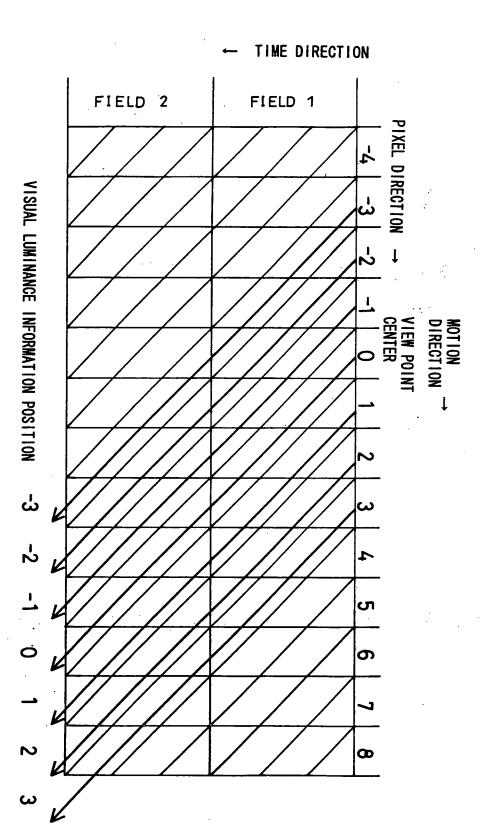
FIRST REDUNDANCY SIGNAL PATTERN 3

SUB-FIELD	SF	-1	SF	2	SF	-3	SF	4
TIME DIVISION RATIO	1		8	3	4	1	8	3
PIXEL DIVISION RATIO	1	2	1	2	1	2	1	2
GRAY LEVEL/ WEIGHT TOTAL	1	2	8	16	4	8	8	16
0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0
4	0	0	0	0	1	0	0	0
5	1	0	0	0	1	0	0	0
6	0	1	0	0	1	0	0	0
7	1	1	0	0	1	0	0	0
8	0	0	0	0	0	0	1	0
9	1	0	0	0	0	0	1	0
10 11	0	1	0	0	0	0	1 1	0
		 	 		_	├	-	
12	0	0	0	0	1	0	1	0
13	1	0	0	0	1	0	1	0
14 15	0	1	0	0	1 1	0	1	0
						 -	 -	
16	0	0	0	0	0	1	1	0
17	1	0	0	0	0	1	1	0
18 19	0	1	0	0	0	1 1	1	0
	<u> </u>	<u> </u>		-	<u> </u>	-	ļ	-1
20	0	0	0	0	1	1	1	0
21	1	0	0	0	1	1	1	0
22 23	0	1	0	0	1 1	1 1	1	0
	<u> </u>		<u> </u>	-	_		 	
24	0	0	1	0	0	0	0	1
25 26	1	0	1	0	0	0	0	1
26 27	0	1 1	1 1	0	0	0	0	1 1
			├-	├		├	├	-
28	0	0	1	0	1	0	0	1
29	1	0	1	0	1	0	0	1
30 31	0	1	1	0	1	0	0	
<u></u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>L'</u>	٦	٢	

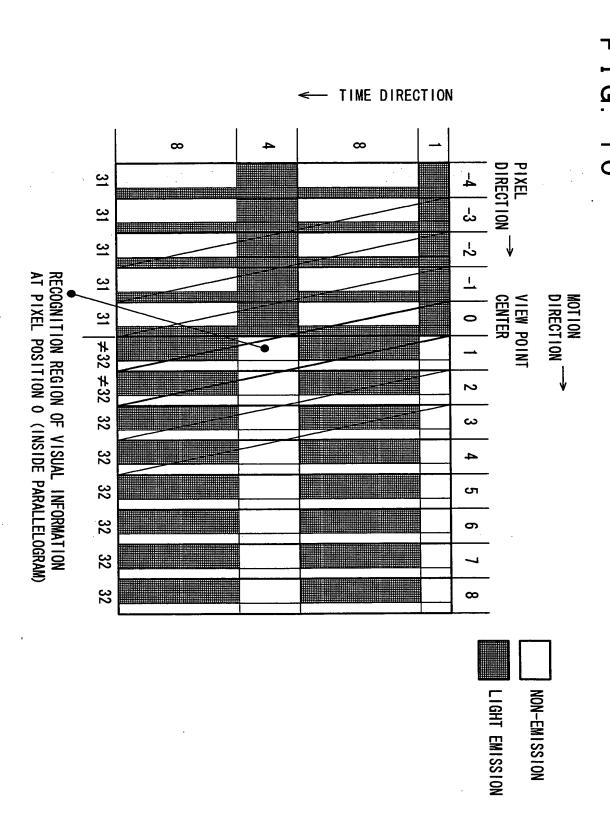
SUB-FIELD	SF	-1	SF	2	SF	-3	SF	-4
TIME DIVISION RATIO	1		8	3	4	1	8	3
PIXEL DIVISION RATIO	1	2	1	2	1	2	1	2
GRAY LEVEL/ WEIGHT TOTAL	1	2	8	16	4	8	8	16
32	0	0	1	0	0	1	0	1
33	1	0	1	0	0	1	0	1
34	0	1	1	0	0	1	0	1
35	1	1	1	0	0	1	0	1
36	0	0	1	0	1	1	0	1
37	1	0	1	0	- 1	1	0	1
38	0	1	1	0	1	1	0	1
39	1	1	1	0	1	1	0	1
40	0	0	0	1	0	0	1	1
41	1	0	0	1	0	0	1	1
42	0	1	0	1	0	0	1	1
43	1	1	0	1	0	0	1	1
44	0	0	0	1	1	0	1	1
45	1	0	0	1	1	0	1	1
46	0	1	0	1	1	0	1	1
47	1	1	0	1	1	0	1	1
48	0	0	0	1	0	1	1	1
49	1	0	0	1	0	1	1	1
50	0	1	0	1	0	1	1	1
51	1	1	0	1	0	1	1	1
52	0	0	0	1	1	1	1	1
53	1	0	0	1	1	1	1	1
54	0	1	0	1	1	1	1	1
55	1	1	0	1	1	1	1	1
56	0	0	1	1	0	1	1	1
57	1	0	1	1	0	1	1	1
58	0	1	1	1	0	1	1	1
59	1	1	1	1	0	1	1	1
60	0	0	1	1	1	1	1	1
61	1	0	1	1	1	1	1	1
62	0	1	1	1	1	1	1	1
63	1	1	1	1	1	1	1	1

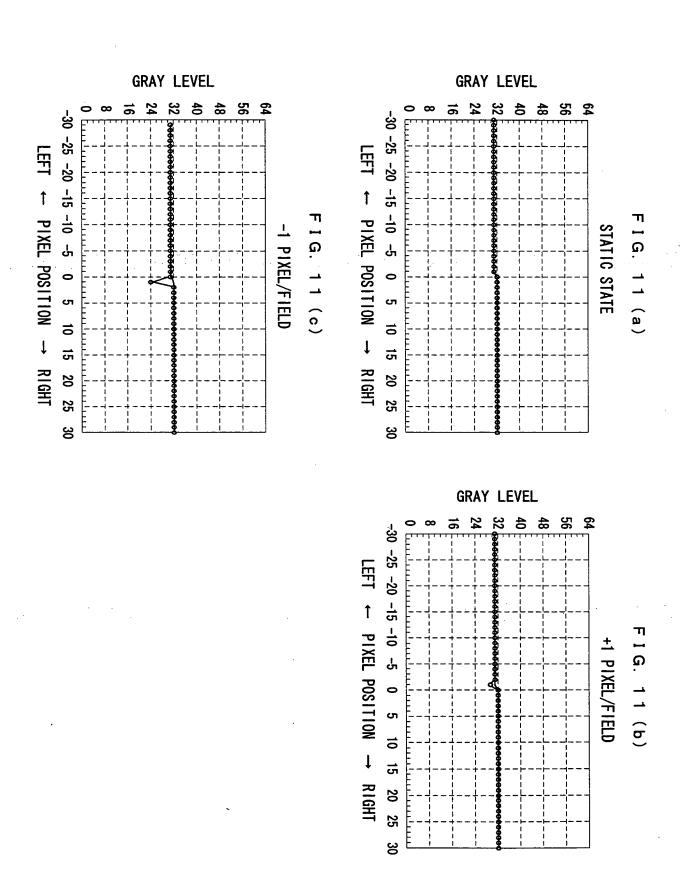


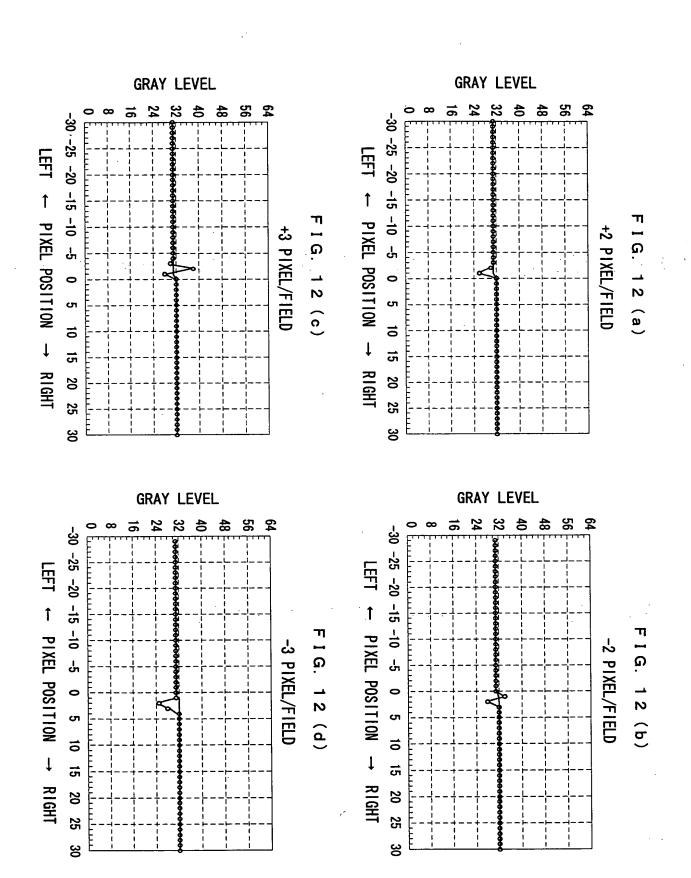
וריון נוייון ביינון ביינן פיינן נוייון נויין נויין נוייון נוייין נוייון נויייון נוייון נוייון נוייון נוייון נוייון נוייון נוייון נוייון נויייון

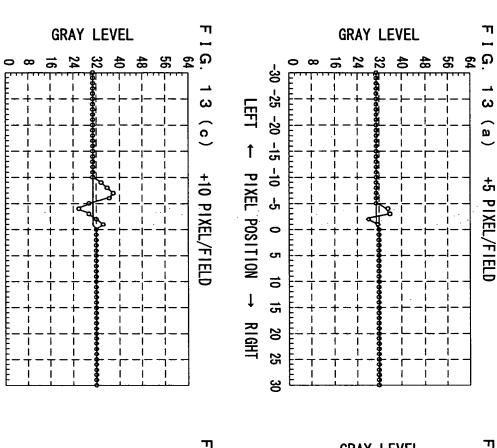


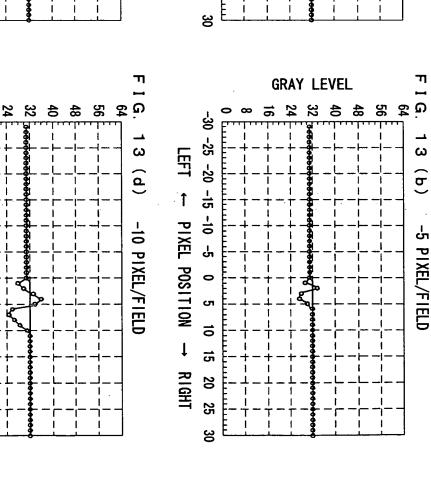
IG. 9











output gray level value of an original picture. The first redundancy signal pattern 1 is used In each drawing, O indicates a motion picture contour hindrance value, and - indicates an

-30 -25 -20 -15 -10 -5

0

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20 25

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-30 -25 -20 -15 -10 -5

0

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25

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LEFT ← PIXEL POSITION

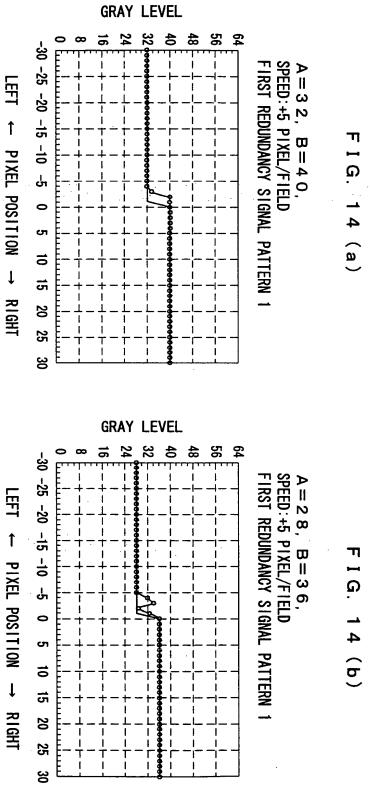
ļ

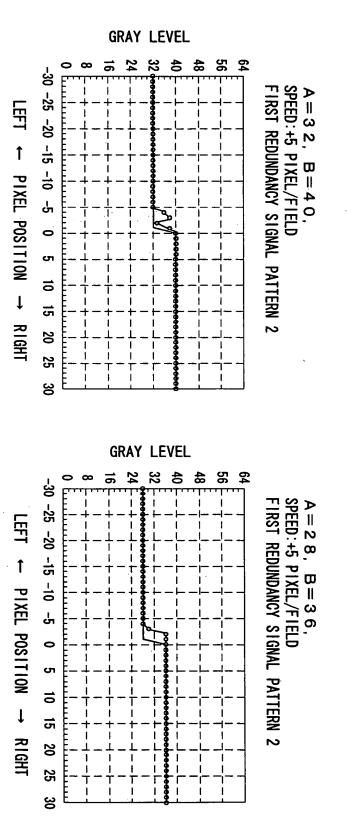
RIGHT

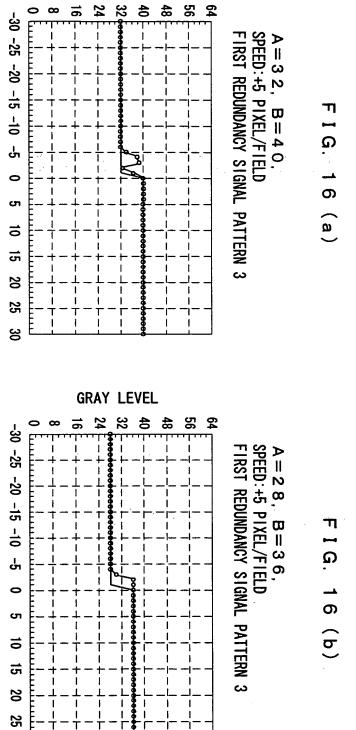
LEFT ← PIXEL POSITION

1 2

RIGHT







GRAY LEVEL

田田

PIXEL POSITION

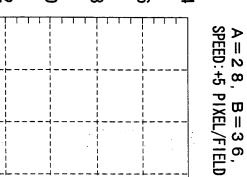
RIGHT

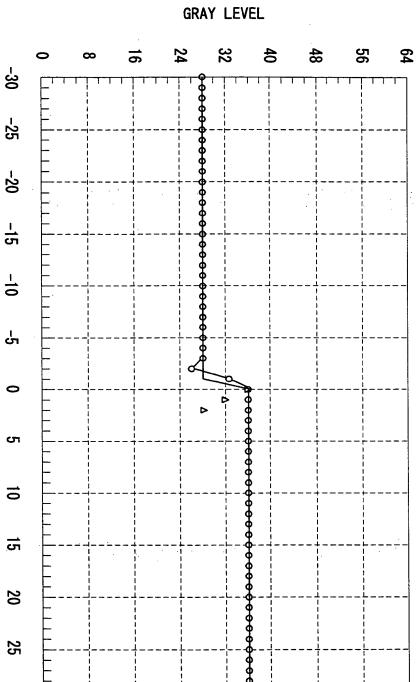
PIXEL POSITION

1

RIGHT

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LEFT ← PIXEL POSITION

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RIGHT

မ

SOLID LINE: GRAY LEVEL VALUE OF PICTURE O: GRAY LEVEL VALUE OF PICTURE WHEN MOVING A: CORRECTION GRAY LEVEL VALUE

FIG. 18

OUTPUT CORRECTION GRAY LEVEL DEPENDENT ON POSITIVE MOTION SPEED IN HORIZONTAL DIRECTION WHEN A=35 AND B=40 NUMBER IN () INDICATES REDUNDANCY PATTERN NUMBER.

NUMBER IN () INDICALES REDUNDANCY PALLERN NUMBER.	S KEDUND!	ANCI PALL	EKN NUMBI	EK.				
SPEED		PIX	EL DISTA	PIXEL DISTANCE n FROM PIXEL A [PIXEL]	M PIXEL A	(PIXEL)		
[PIXEL/FIELD]	0	—	2	3	ħ	2	9	7
0	(1) 2 8	4 0 (I)	(CORRE	(CORRECTION IS UNNECESSARY FOR THIS SPEED	UNNECESS	ARY FOR T	HIS SPEE	0)
1	3 5 (1)	3 2 (1)						
2	3 5 (1)	3 2 (1)						
3	3 5 (1)	3 2 (1)	3 2 (1)					
4	3 5 (1)	3 2 (1)	3 2 (1)					
5	3 5 (1)	3 2 (1)	3 2 (1)					
9	3 5 (1)	3 2 (1)	3 2 (1)	3 2 (1)				
7	3 5 (1)	3 2 (1)	3 2 (1)	3 2 (1)				
8	3 5 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)			
6	3 5 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)			
0 1	3 5 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)		
1.1	3 5 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)		
1.2	3 5 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)	
1.3	3 5 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)	
14	3 5 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)
1.5	3 5 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)	3 2 (1)

FIG. 19

OUTPUT CORRECTION GRAY LEVEL DEVIATION DEPENDENT ON POSITIVE MOTION SPEED IN HORIZONTAL DIRECTION WHEN A=35 AND B=40

SPEED PIXEL DISTAL [PIXEL/FIELD] 0 1 2 0 0 (1) 0 (1) (CORRI 1 0 (1) -8 (1) -8 (1) 2 0 (1) -8 (1) -8 (1) 3 0 (1) -8 (1) -8 (1) 5 0 (1) -8 (1) -8 (1) 6 0 (1) -8 (1) -8 (1) 8 0 (1) -8 (1) -8 (1) 9 0 (1) -8 (1) -8 (1) 9 0 (1) -8 (1) -8 (1) 1 0 -8 (1) -8 (1) -8 (1) 1 1 0 (1) -8 (1) -8 (1) 1 1 0 (1) -8 (1) -8 (1) 1 2 0 (1) -8 (1) -8 (1) 1 3 0 (1) -8 (1) -8 (1) 1 4 0 (1) -8 (1) -8 (1) 1 4 0 (1) -8 (1) -8 (1) 1 4 0 (1) -8 (1) -8 (1) </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>									
(1) 0 (1) 0	SPEED		PIXE	L DISTAN	SE n FROM	DISTANCE n FROM PIXEL A [PIXEL]	[PIXEL]		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	[PIXEL/FIELD]	0		2	33	4	5	9	7
- (D8- (D0 - (D8- (D8- (D0 - (D8- (D8- (D8- (D8- (D8- (D8- (D8- (D8	0	(1) 0	0 (1)	(CORRE	ST NOTE	UNNECESS	ARY FOR 1	(CORRECTION IS UNNECESSARY FOR THIS SPEED	((
- (D8- (D) - (D8-		0 (1)	(I) 8 <i>-</i>					,	
- (D8- (D0 - (D0 - (D8- (D0 - (D	2	0 (1)	(1) 8 –				-		
- (I) 8 - (I) 0 - (I) 8 - (I) 0	3	0 (1)	- 8 (1)	- 8 (1)					
- (I)8- (I)0 - (I)8- (I)0	4	0 (1)	-8 (1)	-8(1)				-	
- (I) 8 - (I) 0 - (I) 8 - (I) 0	5	0 (1)	(1) 8 –	(1) 8 —					
- (I) 8 - (I) 0 - (I) 8 - (I) 0	9	(1) 0	- 8 (1)	- 8 (1)	(I) 8 –				
- (I) 8 - (I) 0 - (I) 8 - (I) 0	7	0 (1)	(1) 8 –	(1) 8 –	(1) 8 —	•			•
- (1)8 - (1)0 - (1) 8 - (1)0 - (1) 8 - (1)0 - (1) 8 - (1)0 - (1)8 - (1)0 - (1)8 - (1)0	8	(I) 0 ₋₅	(1) 8 —	(1) 8 —	(1) 8 –	(1) 8 –			
- (1) 8 - (1) 0 - (1) 8 - (1) 0	6	0 (1)	(1) 8 —	-8 (1)	(1) 8 –	(1) 8 –			
- (1) 8 - (1) 0 - (1) 0 - 8 (1) - 8 (1) - 0 (1) 0 - 8 (1) - 0 (1)	1 0	(1) 0	(I) 8 —	(1) 8 –	(1) 8 –	-8(1)	(1) 8 –	·	
0(1) -8(1) - 8(1) - 0(1) - 8(1) -	1.1	0 (1)	- 8 (1)	(1) 8 —	(1) 8 –	- 8 (1)	(1) 8 –	·	
0 (1) -8 (1) - 8 (1) - 0 (1) - 8 (1) -	1.2	0 (1)	(1) 8 –	(1) 8 —	(1) 8 —	- 8 (1)	(1) 8 —	-8(1)	
0 (1) -8 (1) -	1 3	0 (1)	-8(1)	- 8 (1)	(1) 8 –	-8(1)	-8 (I)	-8(1)	
	1.4	(1) 0	(1) 8 -	(1) 8 –	(1) 8 –	-8(1)	-8(1)	-8(1)	- 8 (1)
1 5 - 0 (1) - 8 (1) - 8 (1)	1.5	0 (1)	-8(1)	- 8 (1)	(1) 8 –	-8(1)	(1) 8 –	-8(1)	(İ) 8 —

FIG.

GRAY LEVEL VALUE B AFTER GRAY LEVEL SHIFT ADJACENT PIXEL

				GRAY LEVE			AY LEVEL	←
28 30 31	24 25 26 27	22 23 23	16 17 18 19	12 13 14 15	8 10 11	7654	3210	A\B
F (3)	F (3)	F (3)	C (3)	E (1)	E (1)	E (1)	Z	0 1 2 3
F (3)	F (3)	F (3)	C (3)	E (1)	E (1)	, Z	E (1)	4 5 6 7
F (3)	F (3)	F (3)	C (3)	E (1)	Z	E (1)	E (1)	8 9 10 11
F (3)	F (3)	F (3).	C (3)	Z	E (1)	E (1)	E (1)	12 13 14 15
E (1)	E (1)	E (1)	Z	C (2)	F (2)	F (2)	F (2)	16 17 18 19
E (1)	E (1)	Z	E (1)	C (2)	F (2)	F (2)	F (2)	20 21 22 23
E (1)	Z	E (1)	E (1)	C (2)	F (2)	F (2)	F (2)	24 25 26 27
Z	E (1)	E (1)	E (1)	C (2)	F (2)	F (2)	F (2)	28 29 30 31

And And and and and the first first to and and the first time and and the first

GRAY LEVEL VALUE A BEFORE GRAY LEVEL SHIFT FOCUSED PIXEL

	, , , , , , , , , , , , , , , , , , , 		,		OSED FIXE	 		,
2888	22622	2222	16 17 18	15 15 15	11008	4 005	32 ⊢0	A \ B
D (2)	f (2) *	f (2)	f (2)	F(2)*	F(2)**	F (2)	F (2)	32 33 34 35
f (2) **	f (2) *	f (2)	f (2)	F (2) *	F (2) **	F (2)	F (2)	36 37 38 39
f (2) **	f (2) *	f (2)	f (2)	F(2)*	F (2) **	F (2)	F (2)	40 41 42 43
f (2) **	f (2) *	f (2)	f (2)	F (2) *	F (2) **	F (2)	F (2)	44 45 46 47
F (2)	F (2)	F (2)	F (2)	F (2)	F (2)	F (2)	F (2)	48 49 50 51
F (2)	F (2)	F (2)	F (2)	F (2)	F (2)	F (2)	F (2)	52 53 54 55
F (2)	F (2)	F (2)	F (2)	F (2)	F (2)	F (2)	F (2)	56 57 58 59
F (2)	F (2)	F (2)	F (2)	F (2)	F (2)	F (2)	F (2)	60 61 62 63

FIG.

GRAY LEVEL VALUE B AFTER GRAY LEVEL SHIFT ADJACENT PIXEL

				GRAY LEVE SHIFT FOC		BEFORE GR	AY LEVEL	←
සුසුපුසු	ಬಿಜಿವೆಜಿ	ន្តនិងវិ	550 51	44 45 47	43 43 43	8888	೫೫೫೫	A\B
F (3)	F (3)	F (3)	F (3)	F (3)	F (3)	F (3)	F (3)	0 1 2 3
F (3)	F (3)	F (3)	F (3)	F (3)	F (3)	F (3)	F (3)	4 5 6 7
F (3)	F (3)	F (3)	F (3)	F (3)	F (3)	F (3)	F (3)	8 9 10 11
F (3)	F (3)	F (3)	F (3)	F (3)	F (3)	F (3)	F (3)	12 13 14 15
F (3)	F (3)	F (3) **	F (3) *	f (3)	f (3)	f (3) *	f (3) **	16 17 18 19
F (3)	F (3)	F(3)**	, F(3)*	f (3)	f (3)	f (3) *	f (3) **	20 21 22 23
F (3)	F (3)	F (3) **	F (3) *	f (3)	f (3)	f (3) *	f (3) **	24 25 26 27
F (3)	F (3)	F (3) **	F (3) *	f (3)	f (3)	f (3) *	D (3)	28 29 30 31

GRAY LEVEL VALUE A BEFORE GRAY LEVEL _____ SHIFT FOCUSED PIXEL

සුහුණුන	5555	2222	555 555 555 555 555 555 555 555 555 55	44 45 47	40 42 43	ಜಜನಜ	೫ೞ೫೫	A \ B
F (3)	F (3)	F (3)	C (3)	E (1)	E (1)	E (1)	Z	32 33 34
F (3)	F (3)	F (3)	C (3)	E (1)	E (1)	Z	E (1)	35 36 37 38
F (3)	F (3)	F (3)	C (3)	E (1)	Z	E (1)	E (1)	39 40 41 42 4
F (3)	F (3)	F (3)	C (3)	Z	E (1)	E (1)	E (1)	43 44 45 46 47
E (1)	E (1)	E (1)	Z	C (2)	F (2)	F (2)	F (2)	7 48 49 50 51
E (1)	E (1)	N	E (1)	C (2)	F (2)	F (2)	F (2)	52 53 54 55
E (1)	Z	£ (1)	E (1)	C (2)	F (2)	F (2)	F (2)	56 57 58 59
Z	E (1)	E (1)	E (1)	C (2)	F (2)	F (2)	F (2)	60 61 62 63

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SYMBOL	FORMULAE
Z	G _n =B, n=1
E(1)	$G_n=B-4TM$, $n=1\sim Nmax(V)$. $Nmax(V)=V/2+\{V<4\}$
C(Jh)	$ \begin{array}{l} G_1 = B - 4T \left[M - 2 + \left\{ AND \left(M = 1 \right. \ OR \left(V = 4 \right. \ V > = 8 \right) \right. \right] + 2 \left\{ AND \left(M = 1 \right. \ V < = 2 \right. \right] \\ G_2 = G_1 - 4T \left[2 - \left\{ AND \left(M = 1 \right. \ OR \left(V = 2 \right. \ V > = 8 \right) \right. \right] + \left\{ AND \left(M = 1 \right. \ V = 3 \right. \right] - \left\{ AND \left(M = 2 \right. \ V < = 3 \right. \right] \\ G_3 = G_{n-1} - 4T , \ n = 1 \\ \sim Nmax \left(V \right) , \ Nmax \left(V \right) = 1 + \left\{ AND \left(M < = 3 \right. \ V > = 2 \right. \right\} + \left\{ AND \left(M < = 2 \right. \ V > = 4 \right. \right\} + \left\{ AND \left(M > = 3 \right. \ V > = 5 \right. \right\} \\ \end{array} $
0 (Jh)	$\begin{array}{ll} G_1 = B + 4T[1 - \{V = 2\} + \{V = 1\}], & G_2 = G_1 - 4T[2 - \{V < = 3\}] \\ G_n = G_{n-1} - 4T, & n = 1 & \lambda \\ & = 0 \end{array}$
F (Jh)	$G_1 = B - 4T [J + \{AND (J = 1, V \le 3)\} + \{AND (J = 2, V \le 4)\} + \{AND (J > 3, V \le 5)\}], G_n = G_{n-1} - 4T, \\ n = 1 \leftarrow \{AND (J = 1, V \ge 2)\} + \{AND (J = 1, V \ge 3)\} + \{AND (J > 2, V \ge 4)\} + \{AND (J = 0, V \ge 4)\} + \{AND (J = 1, V \ge 5)\} + \{AND (J \ge 2, V \ge 6)\}]$
F (Jh) *	$ \begin{array}{ll} G_1 = B - 4T \left[J + \left\{ AND \left(J = 0, \ V < = 3 \right) \right\} + \left\{ AND \left(J = 1, \ V < = 4 \right) \right\} + \left\{ AND \left(J > = 2, \ V < = 5 \right) \right\} \right], & G_n = G_{n-1} - 4T, \ n = 1 \\ N = 1 + 2 \left\{ AND \left(J = 0, \ V > = 4 \right) \right\} + 2 \left\{ AND \left(J > = 1, \ V > = 6 \right) \right\} \\ \end{array} $
F (Jh) **	$ \begin{array}{ll} G_1 = B - 4T \left[J + \left\{ AND \left(J = 0, \ V < = 3 \right) \right\} + \left\{ AND \left(J = 1, \ V < = 4 \right) \right\} + \left\{ AND \left(J > 2, \ V < = 5 \right) \right\} \right], & G_n = G_{n-1} - 4T, \ n = 1 \\ N_max \left(V \right) = 1 + \left\{ AND \left(J < = 1, \ V > = 3 \right) \right\} + \left\{ AND \left(J > 2, \ V > = 4 \right) \right\} + \left\{ AND \left(J = 1, \ V > = 5 \right) \right\} + \left\{ AND \left(J > 2, \ V > = 6 \right) \right\} \right\} $
f (Jh)	$ G_1 = B - 4TJ, G_{n-1} - 4T, n = 1 \sim Nmax \text{ (V)} \\ Nmax \text{ (V)} = 1 + \{AND \text{ (J=0, V>=2) }\} + \{AND \text{ (J=1, V>=3) }\} + \{AND \text{ (J>=2, V>=4) }\} + \{AND \text{ (J=0, V>=5) }\} + \{AND \text{ (J>=2, V>=6) }\}]$
f (Jh) *	$G_1 = B - 4T [J - \{V = 1\}], G_n = G_{n-1} - 4T, \ n = 1 \sim Nmax \ (V) \\ Nmax \ (V) = 1 + \{AND \ (J = 0, \ V > = 2)\} + \{AND \ (J = 1, \ V > = 3)\} + \{AND \ (J > 2, \ V > = 4)\} + \{AND \ (J = 0, \ V > = 5)\} + \{AND \ (J > 2, \ V > = 6)\} \}$
f (Jh) **	$\begin{array}{ll} G_1 = B - 4T \left[J - 1 - \{V = 1\} \right], & G_{n-1} - 4T, \ n = 1 \sim Nmax \ (V) \\ Nmax \ (V) = 1 + \left\{ AND \ (J < 2, \ V > = 2) \right\} + \left\{ AND \ (J > = 3, \ V > = 4) \right\} + \left\{ AND \ (J > = 3, \ V > = 6) \right\} \end{array}$
A:GRAY LEV B:GRAY LEV V:ABSOLUTE N= (B/4) - K= 4 (B/16' J=M-K:CALCI	A:GRAY LEVEL VALUE OF FOCUSED PIXEL B:GRAY LEVEL VALUE OF POCUSED PIXEL B:GRAY LEVEL VALUE OF POCUSED PIXEL ADJACENT IN MOTION DIRECTION V:ABSOLUTE VALUE OF MOTION SPEED [PIXEL/FIELD] N= (B/4) - (A/4) :NUMBER OF SHIFT BLOCKS FOR EVERY UNIT OF 4 GRAY LEVELS K= 4(B/16) - (A/4) :INTERNAL—BLOCK—USE VARIABLE FOR EVERY UNIT OF 16 GRAY LEVELS J=M-K:CALCULATION—USE INTERNAL VARIABLE T= (B-A) / B-A :INCREASE/DECREASE OF CHANGE OF GRAY LEVEL VALUE DECREASE: NEGATIVE VALUE DECREASE: NOTION VALUE DECREASE: POSITIVE VALUE OF 4 GRAY LEVELS Gn:GRAY LEVELS ON 1 : NOTION OF 4 GRAY LEVELS ON 2 : GRAY LEVELS ON 3 : NOTION NALUE OF 4 GRAY LEVELS ON 3 : NOTION NALUE OF 4 GRAY LEVELS ON 3 : NOTION NALUE OF 4 GRAY LEVELS ON 4 GRAY LEVELS ON 4 GRAY LEVELS ON 5 : NOTION NALUE OF 4 GRAY LEVELS ON 5 : NOTION NALUE OF 4 GRAY LEVELS ON 5 : NOTION NALUE OF 4 GRAY LEVELS ON 5 : NOTION NALUE OF 4 GRAY LEVELS ON 6 : GRAY LEVELS ON 6 : GRAY LEVELS ON 7 : NOTION NALUE OF 4 GRAY LEVELS ON 6 : OR 6 :
	בינות אומואר וה הר וויסרטורה

Results of logical operations described in {} indicate True=1 or False=0. In a division calculation, an integer result is derived by dropping a fraction.

SECOND REDUNDANCY SIGNAL PATTERN 1

SUB-FIELD	SF	-1	SF	-2	SF	3	SF	4	
TIME DIVISION RATIO	8	3	4	1	1		8	8	
PIXEL DIVISION RATIO	1	2	1	2	1	2	1	2	
GRAY LEVEL/ WEIGHT TOTAL	8	16	4	8	1	2	8	16	
0	0	О	0	0	0	0	0	0	
1	0	0	0	0	1	0	0	0	
2	0	0	0	0	0	1	0	0	H
3	0	0	0	0	1	1	0	0	
4	0	0	1	0	0	0	0	0	
5	0	0	1	0	1	0	0	0	
6	0	0	1	0	0	1	0	0	
7	0	0	1	0	1	1	0	0	
8	0	0	0	1	0	0	0	0	
9	0	0	0	1	1	0	0	0	
10	0	0	0	1	0	1	0	0	
11	0	0	0	1	1	1	0	0]
12	0	0	1	1	0	0	0	0	H
13	0	0	1	1	1	0	0	0	
14	0	0	1	1	0	1	0	0	11
15	0	0	1	1	1	1	0	0	11
16	1	0	0	0	0	0	1	0	
17	1	0	0	0	1	0	1	0	1
18	1	0	0	0	0	1	1		
19	1	0	0	0	1	1	1	0	11
20	1	0	1	0	0	0	1	0	1
21	1	0	1	0	1	0	1	0	I
22	1	0	1	0	0	1	1	0	
23	1	0	1	0	1	1	1	0	1
24	1	0	0	1	0	0	1	0	
25	1	0	0	1	1	0	1	0	
26	1	0	0	1	0	1	1	0	
27	1	0	0	1	1	1	1	0	
28	1	0	1	1	0	0	1	0	
29	1	0	1	1	1	0	1	0	
30	1	0	1	1	0	1	1	0	
31	1	0	1	1	1	1	1	0	

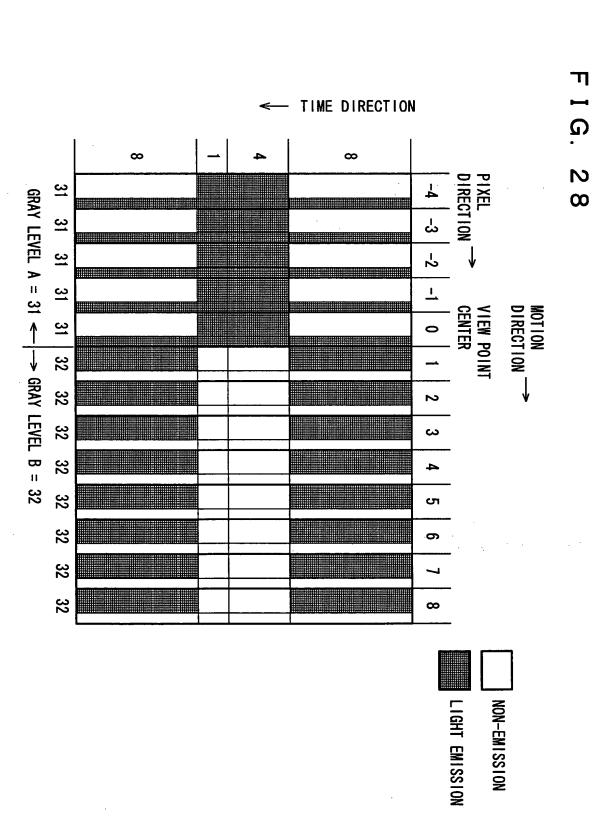
SUB-FIELD	SF	1	SF	2	SF	3	SF	4
TIME DIVISION RATIO	8		4		1		8	
PIXEL DIVISION RATIO	1	2	1	2	1	2	1	2
GRAY LEVEL/ WEIGHT TOTAL	8	16	4	8	1	2	8	16
32	0	1:	0	0	0	0	0	1
33	0	1	0	0	1	0	0	1
34	0	1	0	0	0	1	0	1
35	0	1	0	0	1	1	0	1
36	0	1	1	0	0	0	0	1
37	0	1	1	0	1	0	0	1
38	0	1	1	0	0	1	0	1
39	0	1	1	0	1	1	0	1
40	0	1	0	1	0	0	0	1
41	0	1	0	1	1	0	0	1
42	0	1	0	1	0	1	0	1
43	0	1	0	1	1	1	0	1
44	0	1	1	1	0	0	0	1
45	0	1	1	1	1	0	0	1
46	0	1	1	1	0	1	0	1
47	0	1	1	1	1	1	0	1
48	1	1	0	0	0	0	1	1
49	1	1	0	0	1	0	1	1
50	1	1	0	0	0	1	1	1
51	1	1	0	0	1	1	1	1
52	1	1	1	0	0	0	1	1
53	1	1	1	0	1	0	1	1
54	1	1	1	0	0	1	1	1
55	1	1	1	0	1	1	1	1
56	1	1	0	1	0	0	1	1
57	1	1	0	1	1	0	1	1
58	1	1	0	1	0	1	1	1
59	1	1	0	1	1	1	1	1
60	1	1	1	1	0	0	1	1
61	1	1	1	1	1 0	0	1	1
62	1	1	1	1		1	1	1
63	1	1	1	1	1	1	1	1

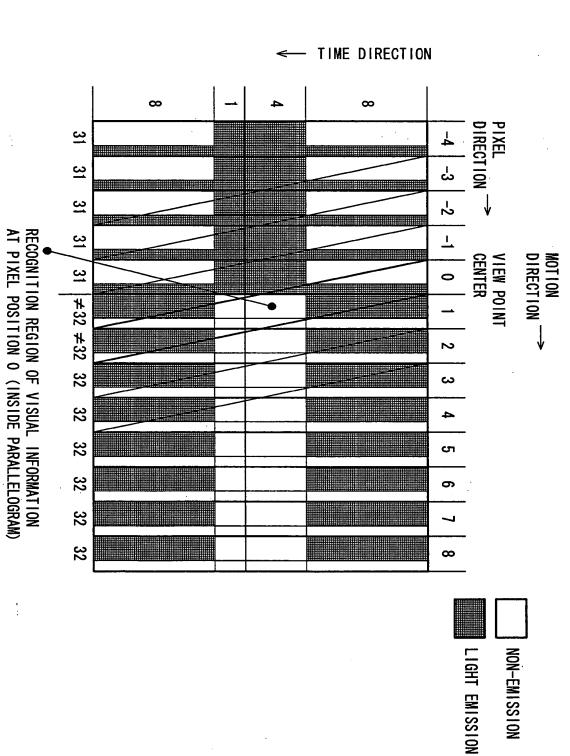
SECOND REDUNDANCY SIGNAL PATTERN 2

									_									
SUB-FIELD	SF	F1	SF	2	SF	3	SF	4		SUB-FIELD	SF	-1_	SF	2	SF	3	SF	4
TIME DIVISION RATIO	æ	3	4	l	1	İ	8		ĺ	TIME DIVISION RATIO	8	3	4	+	1		8	3
PIXEL DIVISION RATIO	1	2	1	2	1	2	1	2		PIXEL DIVISION RATIO	1	2	1	2	7	2	1	2
GRAY LEVEL/ WEIGHT TOTAL	8	16	4	8	1	2	8	16		GRAY LEVEL/ WEIGHT TOTAL	8	16	4	8	7	2	8	16
0	0	0	0	0	0	0	0	0		32	0	1	0	1	0	0	1	0
1	0	0	0	0	1	0	0	0		33	0	1	0	1	1	0	1	0
2	0	0	0	0	0	1	0	0		34	0	1	0	1	0	1	1	0
3	0	0	0	0	1	1	0	0		35	0	1	0	1	1	1	1	0
4	0	0	1	0	0	0	0	0		36	0	1	1	1	0	0	1	0
5	0	0	1	0	1	0	0	0		37	0	1	1	1	1	0	1	0
- 6	0	0	1	0	0	1	0	0		38	0	1	1	1	0	1	1	0
7	0	0	1	0	1	1	0	0		39	0	1	1	1	1	1	1	0
8	1	0	0	0	0	0	0	0		40	1	1	0	0	0	0	0	1
9	1	0	0	0	1	0	0	0		41	1	1	0	0	1	0	0	1
10	1	0	0	0	0	1	0	0		42	1	1	0	0	0	1	0	1
11	1	0	0	0	1	1	0	0		43	1	1	0	0	1	1	0	1
12	1	0	1	0	0	0	0	0		44	1	1	1	0	0	0	0	1
13	1	0	1	0	1	0	0	0		45	1	1	1	0	1	0	0	1
14	1	0	1	0	0	1	0	0		46	1	1	1	0	0	1	0	1
15	1	0	1	0	1	1	0	0		47	1	1	1	0	1	1	0	1
16	1	0	0	1	0	0	0	0		48	1	1	0	1	0	0	0	1
17	1	0	0	1	1	0	0	0		49	1	1	0	1	1	0	0	1
18	1	0	0	1	0	1	0	0		50	1	1	0	1	0	1	0	1
19	1	0	0	1	1	1	0	0.		51	1	1	0	1	1	1	0	1
20	1	0	1	1	0	0	0	0		52	1	1	1	1	0	0	0	1
21	1	0	1	1	1	0	0	0		53	1	1	1	1	1	0	0	1
22	1	0	1	1	0	1	0	0		54	1	1	1	1	0	1	0	1
23	1	0	1	1	1	1	0	0		55	1	1	1	1	1	1	0	1
24	0	1	0	0	0	0	1	0	Ì	56	1	1	0	1	0	0	1	1
25	0	1	0	0	1	0	1	0	l	57	1	1	0	1	1	0	1	1
26	0	1	0	0	0	1	1	0	1	58	1	1	0	1	0	1	1	1
27	0	1	0	0	1	1	1	0		59	1	1	0	1	1	1	1	1
28	0	1	1	0	0	0	1	0		60	1	1	1	1	0	0	1	1
29	0	1	1	0	1	0	1	0		61	1	1	1	1	1	0	1	1
30	0	1	1	0	0	1	1	0		62	1	1	1	1	0	1	1	1
31	0	1	1	0	1	1	1	0		63	1	1	1	1	1	1	1	1
			A										_	_	_			

SECOND REDUNDANCY SIGNAL PATTERN 3

SUB-FIELD	SF	1	SF	2	SF	3	SF	4		SUB-FIELD	SF	-1	SF	2	SF	3	SF	4
TIME DIVISION RATIO	8	3	4		1		8	,		TIME DIVISION RATIO	8	3	4	†	1		8	
PIXEL DIVISION RATIO	1	2	1	2	1	2	1	2		PIXEL DIVISION RATIO	1	2	1	2	1	2	1	2
GRAY LEVEL/ WEIGHT TOTAL	8	16	4	8	1	2	8	16		GRAY LEVEL/ WEIGHT TOTAL	8	16	4	8	1	2	8	16
0	0	0	0.	0	0	0	0	0		32	1	0	0	1	0	0	0	1
1	0	0	0	0	1	0	0	0		33	1	0	0	1	1	0	0	1
2	0	0	0	0	0	1	0	0		34	1	0	0	1	0	1	0	1
3	0	0	0	0	1	1	0	0		35	1	0	0	1	1	1	0	1
4	0	0	1	0	0	0	0	0		36	1	0	1	1	0	0	0	1
5	0	0	1	0	1	0	0	0		37	1	0	1	1	1	0	0	1
6	0	0	1	0	0	1	0	0		38	1	0	1	1	0	1	0	1
7	0	0	1	0	1	1	0	0		39	1	0	1	1	1	1	0	1
8	0	0	0	0	0	0	1	0		40	0	1	0	0	0	0	1	1
9	0	0	0	0	1	0	1	0		41	0	1	0	0	1	0	1	1
10	0	0	0	0	Ó	1	1	0		42	0	1	0	0	0	1	1	1
11	0	0	0	0	1	1	1	0		43	0	1	0	0	1	1	1	1
12	0	0	1	0	0	0	1	0		44	0	1	1	0	0	0	1	_
13	0	0	1	0	1	0	1	0		45	0	1	1	0	1	0	1	1
14	0	0	1	0	0	1	1	0		46	0	1	1	0	0	1	1	1
15	0	0	1	0	1	1	1	0		47	0	1	1	0	1	1	1	1
16	0	0	0	1	0	0	1	0		48	0	1	0	1	0	0	1	1
17	0	0	0	1	1	0	1	0		49	0	1	0	1	1	0	1	1
18	0	0	0	1	0	1	1.	0		50	0	1	0	1	0	1.	1	1
19	0	0	0	1	1	1	1	0		51	0	1	0	1	1	1	1	1
20	0	0	1	1	0	0	1	0	ŀ	52	0	1	1	1	0	0	1	1
21	0	0	1	1	1	0	1	0		53	0	1	1	1	1	0	1	1
22	0	0	1	1	0	1	1	0	l	54	0	1	1	1	0	1	1	1
23	0	0	1	1	1	1	1	0		55	0	1	1	1	1	1	1	1
24	1	0	0	0	0	0	0	1		56	1	1	0	1	0	0	1	1
25	1	0	0	0	1	0	0	1	ı	57	1	1	0	1	1	0	1	1
26	1	0	0	0	0	1	0	1		58	1	1	0	1	0	1	1	1
27	1	0	0	0	1	1	0	1		59	1	1	0	1	1	1	1	1
28	1	0	1	0	10	0	0	1	1	60	1	1	1	1	0	0	1	1
29		0	1	0	1	o	o	1		61	1	1	1	1	1	0	1	1
30	1	0	1	0	0	1	0	1		62	1	1	1	1	0	1	1	1
31	1	0	1	0	1	1	0	1		63	1	1	1	1	1	1	1	1





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GRAY LEVEL VALUE B AFTER GRAY LEVEL SHIFT ADJACENT PIXEL

									LEVE T FOC				RE GF	RAY LE	VEL	←
బ్రజ	 888	27.6	223	222	222	198	16	15	:52	110	ဖထ	76	410	۵2	-0	A\B
Z	Z	Z	Z	Z.	z	z	z	z	z	Z	Z	Z	Z			0 1
z	ZZ	Z	N C1	z	N CI	z	D1 D1	z	NN NC	z	N C1	z	N CI		Z	2 3
	ZC Z	z	z	z	22		<u> </u>	z	Z	z	ZZ			22	z	4
<u>.</u>	_N C1		_N C	22	≥ <u>©</u>		(म ယ	z	Z C	zz	NC C		Z	C _N	z	5 6
Z	පස	Z	22	≥8					22	_N C	<u> </u>	C	Cz	22	1	7
Z	Z	z	zz z		ਸ਼ ਲ		H ம	z	Z		Z	<u> </u>	ZZ ZZ	l Cl N	Z	8 9
Z	N CI	NES	E				-	z	N CI		_	C _N	Z	Z	Z	10 11
Z	z		(1)		ਸ਼		ידי			C1 C1 N	Z	CL	Z	C1 N	Z	12 13
z	D1 D1		ယ		ယ	:	ယ		Z	z	Z	z	Z	z	Z	14 15
Z	Z	Z	z	Z	Z				נדי		ריו		(±)	D1 D1 N	Z	16 17
Z	N CI	Z	N CI	Z	N CI		Z	:	2		2		2	Z	z	18 19
Z	Z	z	N CI		I	CC CC	z		ਸ਼		(F)	E 2	EZ Z	C1 C1 N	Z	20 21
Z	N CI	N Cl	0	:	Z	z	z		2		2	E2 N	\vdash	z	z	22 23
z	Z		L	C 1	CI N	C1 C1 N	z		H	E 2	E2 N	C1 C1 N	Z	C1 C1 N	z	24 25
Z	NC NC		Z	C1 N		z	z		2	E2 N	Z	Z	N	Z	z	26 27
	1	CI CI N	z	CI CI N	Z	Cl N	Z	D1 D1 N	z	C1 C1 N	Z	C1 C1	Z	CN	Z	28 29
	Z	Z	Z	N	Z	Z	Z	Z	z	Z	z	Z	Z	Z	z	9 30 31
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GRAY LEVEL VALUE A BEFORE GRAY LEVEL SHIFT FOCUSED PIXEL

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				(F)	NZ.	೧೭							8≥	SS		36	UE B A
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D1		01		22		Sz		22	2	22		22		CN		44	
D1 N	Z	CZ		۵z	Z	22	Z	므고		C.N	Z	SZ	Z	zz	Z	45	
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		ZZ								ZZ						59 (
22	Z	C1 C1		22	Z	$\Omega_{\mathbf{Z}}$	Z	מַנ		22	z	22	Z	$\Omega_{\mathbf{Z}}$	Z	60	
D _N		C1		$\mathbb{C}^{\mathbf{N}}$		22		2×		Σ^{N}	L	ΩZ		22		61	
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FIG. 32 GRAY LEVEL VALUE B AFTER GRAY LEVEL SHIFT ADJACENT PIXEL

									LEVE T FOC				RE GR	RAY L	EVEL	←
සුද	 828	బ్రజ	12128	812	ಟಜ	స్తార	48	45 47	45	42	40 41	88	348	然	ಚಚಚ	A\B
z	z	Z	z	z	z	Z	z	Z	z	Z	z	z	Z	z	z	0 1
z	N N CI	z	NC CC	z	20 20	z	N DI	z	ZZ ZG	z	NC NC	z	NC NC	z	N DI	2 3
z	z	z	z	z	22 23		(F)	z	z	z	z	Z	~Z		tr)	4 5
z	CI CI	Z	NC:	22	H		ဃ	Z	20 20 20	z	NC:	22	(F)		့်ထ	6 7
z	Z	Z	NN NES		(1)		E)	Z	z	z	N E		<u> </u>		т. П.	8 9
z	C1 C1	22	(1)		ယ		3	Z	N C1	2Z	표 သ		· w		ယ	10 11
z	Z	-	[II]		(II)		ъ	Z	z		trj		দ্য		נה	12 13
z	D1 D1		ယ		ယ			Z	D1 D1		ယ		ယ		ယ	14 15
Z	z	Z	z	z	z	z	Z	Z	Z	z	Z	z	z	z	Z	16 17
z	N C1	z	NC:	Z	NC1	z	DI DI	Z	N C1	Z		Z	N CI	Z	N D1	18 19
Z	Z	Z	Z	Z	N S		E	Z	Z	z	Z	z	25 25		म	20 21
z	SC SC SC	Z	CC 20 20	~g	E)		3	Z	CI CI	Z	22 22	~E	(E)		.	22 23
z	z	Z	N E3		Ħ		Ħ	Z	Z	Z	N E3		(E)		म अ	24 25
z	CI CI CI	zz Zz	E		3		ယ	Z	N CI CI CI	N E3	E 3		ယ		3	26 27
z	z		ta)		E		၂၅ ယ	z	Z		Ħ		E 3		F 3	28 29
z	D1 D1		ယ		ယ		ω	z	D1 D1	,	ω		ω			30 31

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GRAY LEVEL VALUE B AFTER GRAY LEVEL SHIFT ADJACENT PIXEL

									LEVE				RE GI	RAY LE	VEL	←
ಜನ	දුලු	25	12128	22,133	සස	చెని	48	45 47	454	42 43	40 41	జజ	ಚಜ	228	ಜಜ	A\B
z	z	z	z	z	z	Z	z	Z	z	Z	z	Z	Z			32 33
z	NN NC	z	NC:	z	N C1	z	N DI	z	NN NC	z	NC:	z	N C1		Z	34 35
z	Z	z	z	z	N ES		<u> </u>	z	Z	z	zz zc		<u> </u>	CT CT N	z	36 37
Z	N CI	z	NC NC	NN NE3	(F)		ယ်	z	N CI	N C	CI		Z	z	z	7 38 39
z	Z	Z	ZZ		<u> </u>			z	Z	NL.	<u> </u>	C1	Cz	CI N		9 40 41
z	C1 C1	22	(1)		Η ω		ယ	z	C1 C1		Z	CLN	Z	Z	z	1 42 43
z	N	≥83	<u> </u>				:		<u> </u>	CI CI N	z	N C1 C1	z	CN	z	3 44 45
z	D1 D1		H ယ	1	ট ও		υ		Z	Z	Z	- N	z	Z	z	5 46 47
z	N	Z	z	z	z				ידי		(II)		[D1 N	z	7 48 49
z	N CI	Z	N CI	Z	N CI		Z		2		2		20 -	z	z	9 50 51
z	Z	Z	N C1			CI CI N	Z		ਸ਼		ਸ	E 2	e Sz	CI CI	z	52 53
Z	N CI	N Cl	C	•	Z	z	z		2		2	E2 N	Z	z	z	54 55
z	z		L	C1	C) N	CI CI N	Z		E	E 2	EZ N	C1 C1 N	z	C1 C1 N	Z	56 57
z	NC:		Z	C1 N		Z	z		2	ES N	z	Z	z	Z	z	58 59
		C1 C1 N	Z	CT CT N	Z	C1 N		D1 D1	レフリ	CT CT N	Z	C1 C1 N	Z	C _N	Z	60 61
	Z	Z	Z	N.	Z	Z	z	z	z	Z	Z	Z	Z	Z	Z	62 63

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FIG.

SYMBOL	FORMULAE
N	G _n =8, n=1
ာ်	$G_n = B + 2T \{V > = 6\}, n = 1, Jh = 1$
	$G_n = B + 2T \{V > = 4\}$
O W	G _n =G _{n-1} .n=1 ~\Mmax (V)
	Nmax (V) = $1 + \{V > = 4\} + \{V > = 10\}$, Jh=1
	G _n =A+4T {V>=3}
ш	G_=G1
Ę	n=1∼Nmax (V)
	$Nmax (V) = 2+ \{V > = 5\} + \{V > = 10\}, Jh = 1+ \{T > 0\} + 2 \{T < 0\}$
	$G_1=A+12T\{V=1\}+4T\{OR(V=2,V)=8\}+8T\{AND(V)=3,V(=7)\}$
	$G_2 = A - 4T \{ OR (V = 4, V = 5) \}$
L	0"=0"-1
5	n=1 ~\max (V)
	Nmax (V) = $1 + \{V \ge 2\} + \{V \ge 6\} + \{V \ge 10\}$, Jh= $1 + \{T \ge 0\} + 2\{T < 0\}$

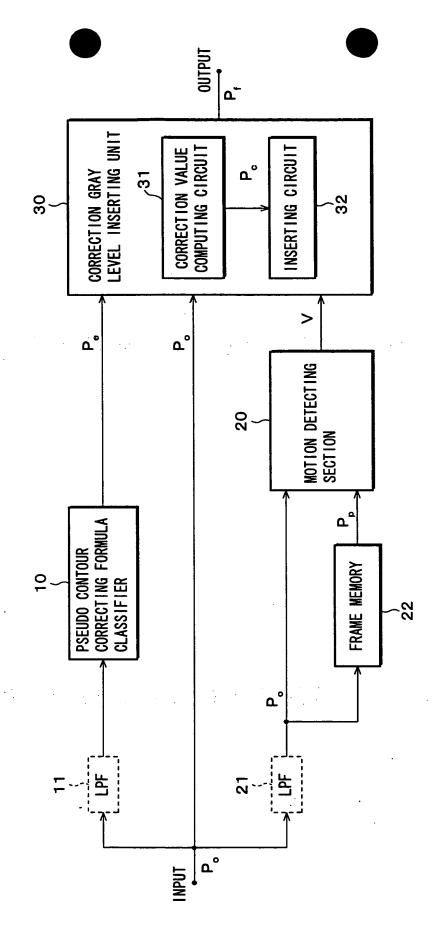
A:GRAY LEVEL VALUE OF FOCUSED PIXEL B:GRAY LEVEL VALUE OF PIXEL ADJACENT IN MOTION DIRECTION

V:ABSOLUTE VALUE OF MOTION SPEED [PIXEL/FIELD]
Jh:REFERENTIAL NUMERAL OF REDUNDANCY SIGNAL PATTERN OF
CORRECTION SIGNAL TO BE INSERTED
T=(B-A)/|B-A|:INCREASE/DECREASE OF CHANGE OF GRAY LEVEL VALUE IN MOTION DIRECTION
(INCREASE:POSITIVE VALUE, DECREASE:NEGATIVE VALUE)

Results of logical operations described in {} indicate True=1 or False=0.

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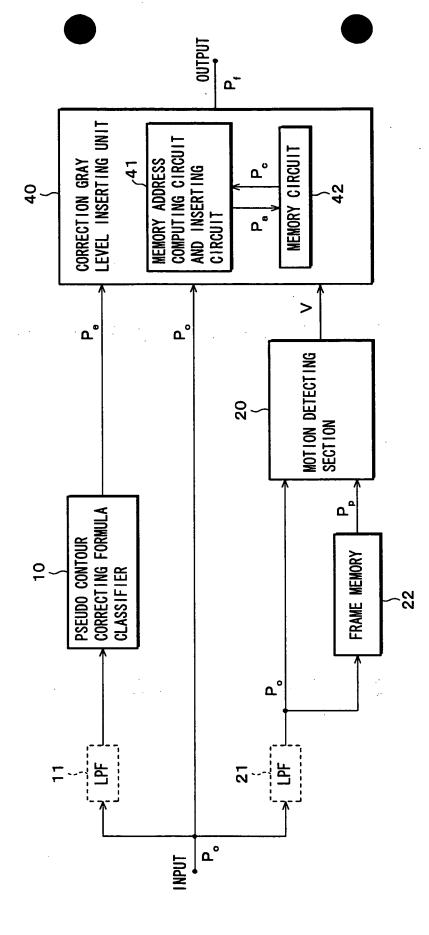
NUMERAL Gr.	CORRECTING FORMULA Gr.
0	N
1.	E (1)
2	C (Jh)
3	D (Jh)
4	F (Jh)
5	F (Jh) *
6	F (Jh) **
7	f (Jh)
8	f (Jh) *
9	f (Jh) **

N represents non-correction. Numeral in () represents a referential numeral of a redundancy signal pattern used. Jh is 2 or 3.

NUMERAL Gr.	CORRECTING FORMULA Gr.
0	N
1	C 1
2	D 1
3	E _{Jh}
4	F _{Jh}

N represents non-correction. Jh is 2 or 3.

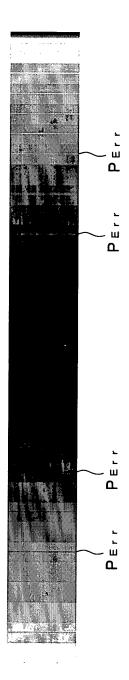
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GRAY LEVEL VALUE

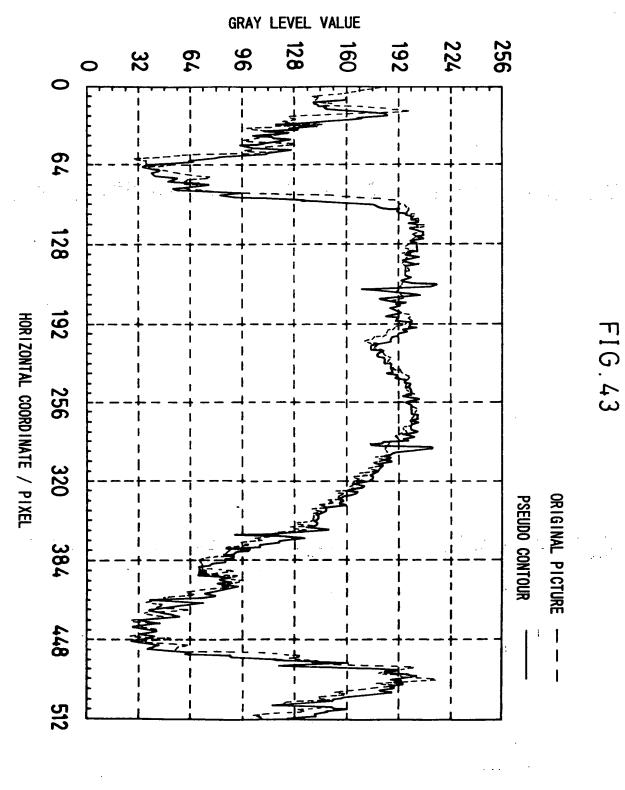
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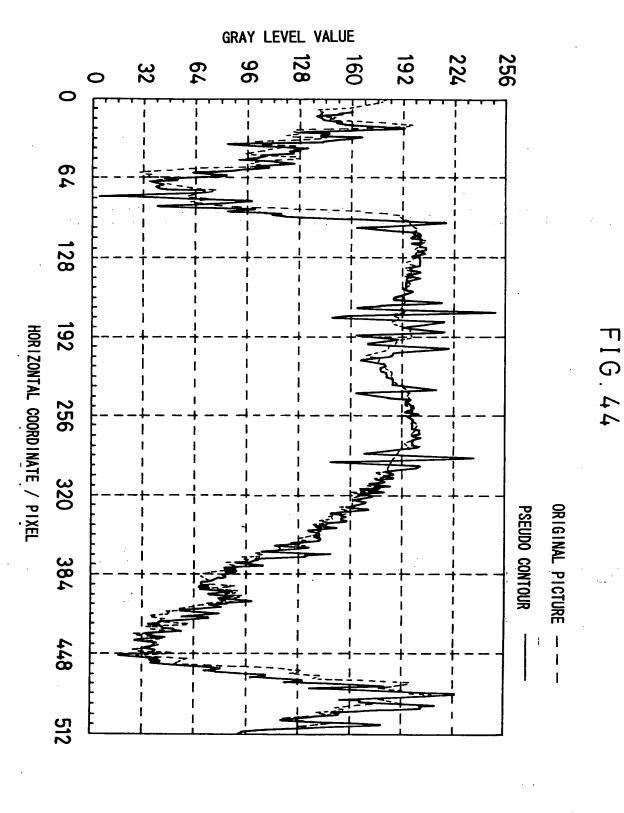
לויים לויים לווים לויים לויים לויים לויים לווים ל משלו לווים לנוים לווים OMPUTATION RESULT OF CORRECTED RAMP-WAVEFORM MOTION PICTURE (TIME DIVISION 1:8:4:8)



COMPUTATION RESULT OF NON-CORRECTED RAMP-WAVEFORM MOTION PICTURE (TIME DIVISION 1:8:4:8)





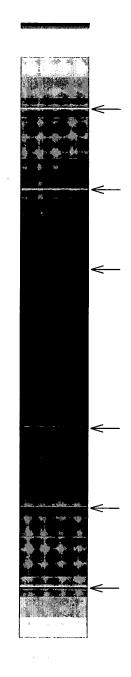


COMPUTATION RESULT OF CORRECTED RAMP-WAVEFORM MOTION PICTURE (TIME DIVISION 8:4:1:8)

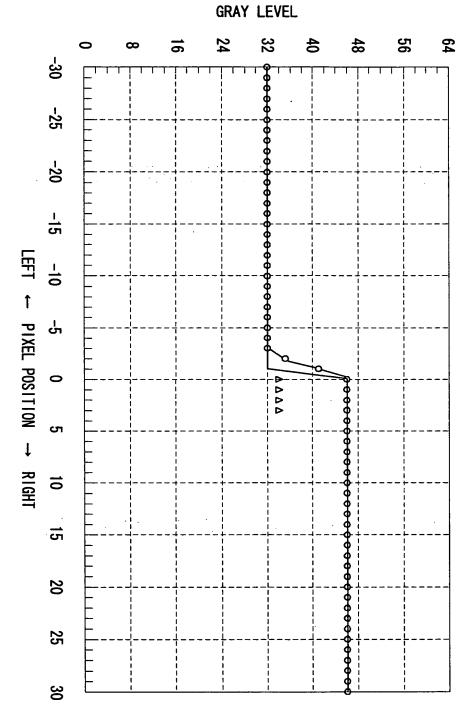


FIG. 46

COMPUTATION RESULT OF NON-CORRECTED RAMP-WAVEFORM MOTION PICTURE (TIME DIVISION 8:4:1:8)



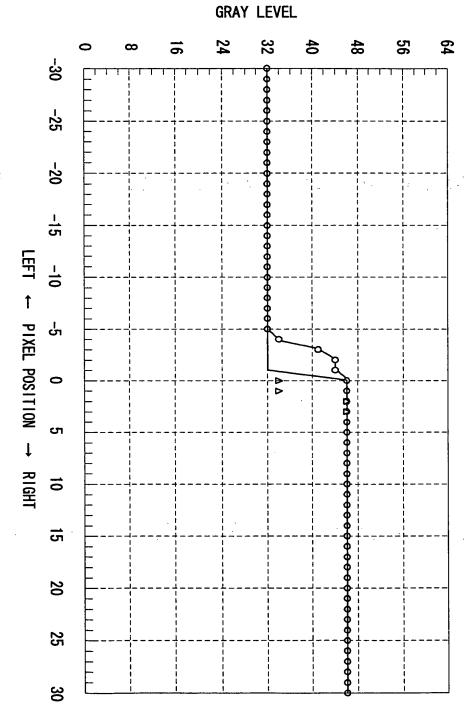
CORRECTION RESULT WHEN A=32, B=46, MOTION SPEED WAS +10 PIXELS/FIELD, AND CORRECTION SIGNAL IS APPLIED TO 4 PIXELS



SOLID LINE: GRAY LEVEL VALUE OF PICTURE O: GRAY LEVEL VALUE OF PICTURE WHEN MOVING A: CORRECTION GRAY LEVEL VALUE

IG. 48

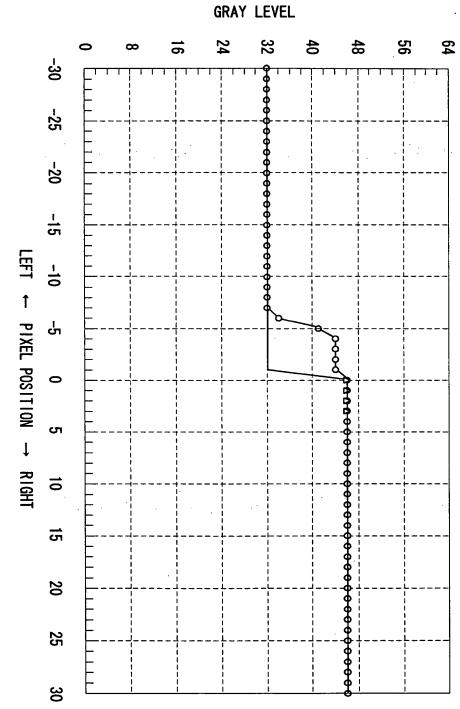
CORRECTION RESULT WHEN A=32, B=46, MOTION SPEED WAS +10 PIXELS/FIELD, AND CORRECTION SIGNAL IS APPLIED TO 2 PIXELS



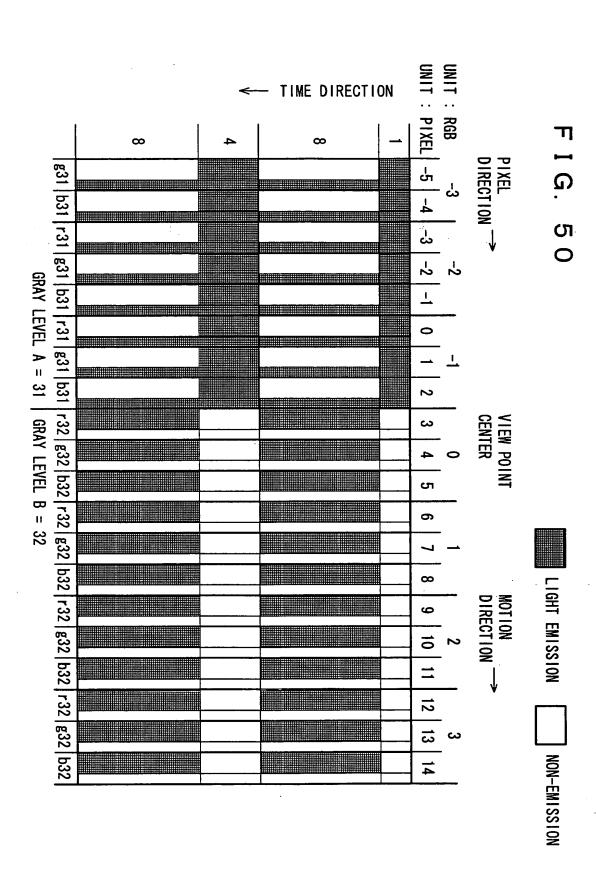
SOLID LINE: GRAY LEVEL VALUE OF PICTURE O: GRAY LEVEL VALUE OF PICTURE WHEN MOVING A: CORRECTION GRAY LEVEL VALUE

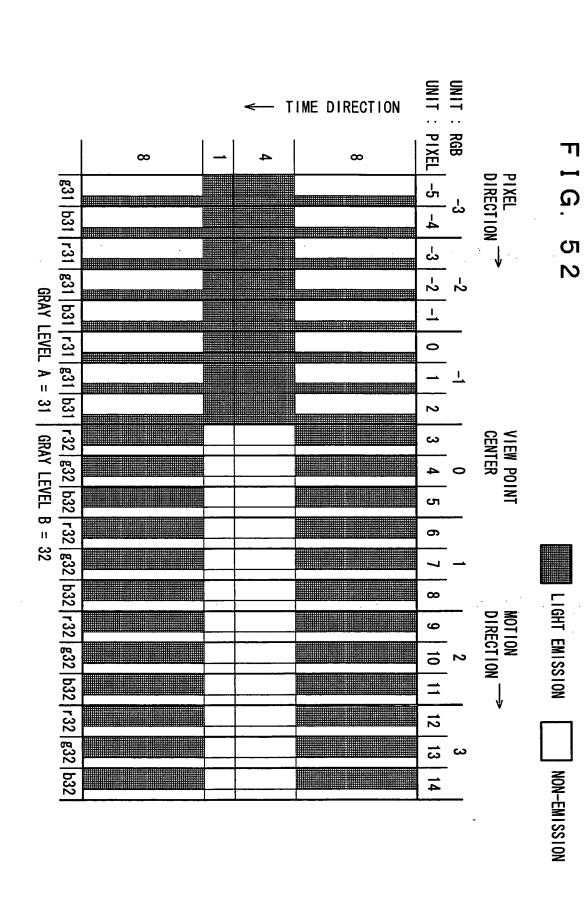
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IG. 49

CORRECTION RESULT WHEN A=32, B=46, MOTION SPEED WAS ± 10 PIXELS/FIELD, AND CORRECTION VALUES ARE NOT INSERTED



SOLID LINE: GRAY LEVEL VALUE OF PICTURE O: GRAY LEVEL VALUE OF PICTURE WHEN MOVING A: CORRECTION GRAY LEVEL VALUE





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		•	X i	DIR	ECT	ION	ļ ; 5	> 6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
		1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	
	5	2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	
	- y DIRECTION	3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	
	\equiv	4	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	
	<u> </u>	5	G	G	G	G	63	62	61	60	59	58	57	56	71	79	87	9 5	G	G	G	G	G	G	G	
	٧	6	G	G	G	G	36	37	38	39	40	41	42	55	70	78	86	94	G	G	G	G	G	G	G	
		7	G	G	G	G	35	34	33	32	31	30	43	54	89	77	85	93	G	G	G	G	G	G	G	
		8	G	G	G	G	16	17	18	19	20	29	14	53	68	76	84	92	G	G	G.	G	G	G	G	:
	•	9	G	G	G	G	15	14	13	12	21	28	45	52	67	75	83	91	G	G	G	G	G	G	G	
		10	G	G	G	G	4	5	6	11/	22	27	46	51	66	74	82	90	G	G	G	G	G	G	G	
		11	G	G	G	G	3	2	7	10	23	26	47	50	65	73	81	89	G	G	G	G	G	G	G	
		12	G	G	G	G	9	1	8	9	24	25	48	49	64	72	80	88	G	G	G	G	G	G	G	
		13	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G _.	G	G	
		14	G	G	G	G	G	G	G	G G	G G	G G	G G	G G	G G	G G	G G	G G	G G	G G	G G	G G	G G	G G	G G	
		15	G	G	G	G	G	G	G	G	G	G	G	G	G	G	<u> </u>	G	<u> </u>	<u> </u>	G	G	٦	G	<u> </u>	
	_									_																
FI	G .!	54	(b)			DIF				>)	1	0	1	1	1	2	1	3	1	4	1	5	1 (6
FI		[(b)			DIF		101 78		>)	1	0	1	1	1	2	1	3	1	4	1		1	
		54 ₅	(b))	1	0	1	1	1	2	1	3	1	4	8		ا و	
		5	(b)) 	1	0	1	1	1	2	1	3			8	7		
	DIRECTION	[(b)	6								1	0	1	1	1	2	1	3		8		7		
	y DIRECTION	5	(b)	6								1	0	1	1			-		7	8	8	7		
	DIRECTION	5	(b)	•								1	0	1	1	5		1			8	8	7		
	y DIRECTION	5 6 7	(b)	6								1	0			5	4	-		7	8	8	7		
	y DIRECTION	5	(b		•								1	0	1			4	-		7	8	8	7		
	y DIRECTION	5 6 7 8	(b 5		•						(1				5	4	-		7	8	8	7		
	y DIRECTION	5 6 7	(b		6												5	4	-		7	8	8	7		
	- y DIRECTION	5 6 7 8	(b		6						(1					5	4	-		7	8	8	7		
	- y DIRECTION	5 6 7 8 9	(b		2		7		8		2	1					5	4	-		7	8	8	7		
	1 Y DIRECTION	5 6 7 8 9	(b 5				6		8		2	1					5	4	-		7	8	8	7		

FIG. 55 (a)

LOCAL COORDINATE	0	1	2	3	4	5	6	7	8	9	10	11
× COORDINATE	5	6	7	8	9	10	11	12	13	14	15	16
EXTRACTED PIXEL	0	2	7	.11	21	28	44	53	69	78	86	95
y COORDINATE	12	11	11	10	9	9	8	8	7	6	6	5
		НС	RIZ	ATAC	L CC	NTR	BUT	I ON	COMF	ONE	NT	

FIG. 55 (b)

FIG. 56 (a)

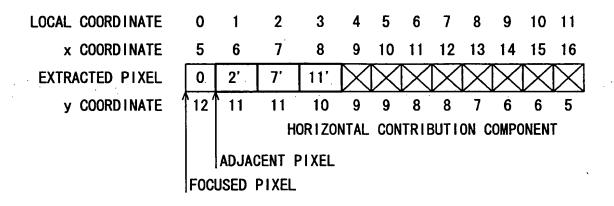
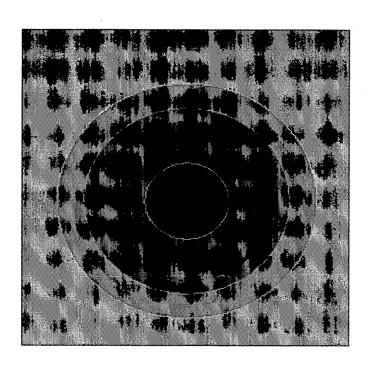


FIG. 56 (b)

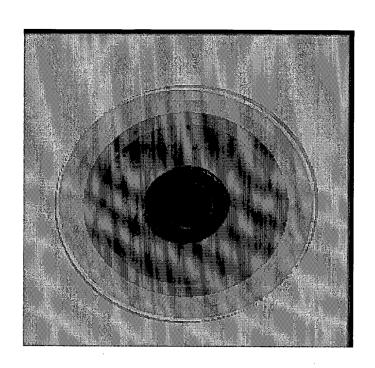
LOCAL COORDINATE	0	1	2	3	4	5	6	7
x COORDINATE	5	6	7	9	11	12	14	15
EXTRACTED PIXEL	0	2″	6″	21"	\times	X	\times	\boxtimes
y COORDINATE	12	11	10	9	8	7	6	5
			VER ²	ΓICAL	CON	TRIB	UTIC	ON COMPONENT
		ADJAC	ENT F	IXEL				
	FOC	used i	PIXEL					

y DIRECTION 1 0 9 ∞ 5 2 2 2 5 3 5 8 6

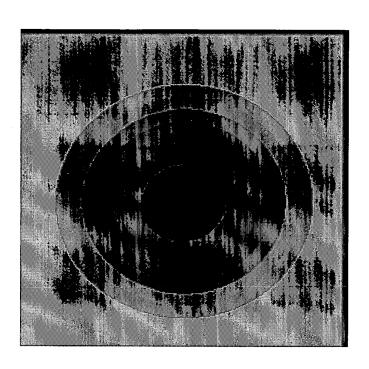
TEST PICTURE: STATIC STATE

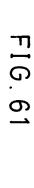


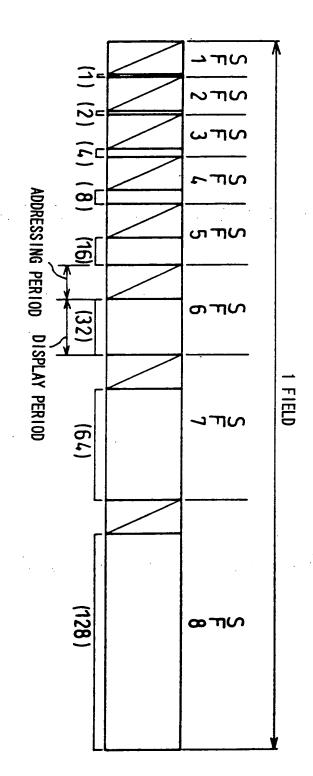
TEST PICTURE: NON-CORRECTED RESULT



TEST PICTURE: CORRECTED RESULT







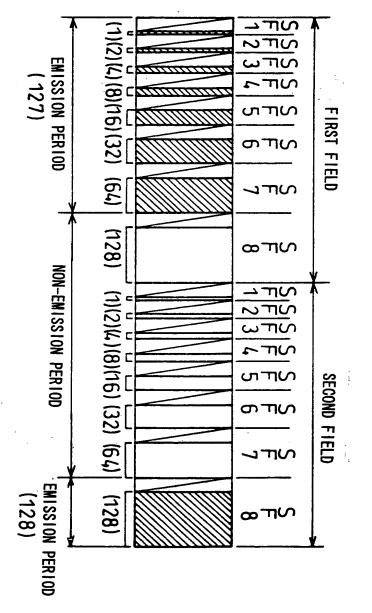


FIG. 62

FIG. 63

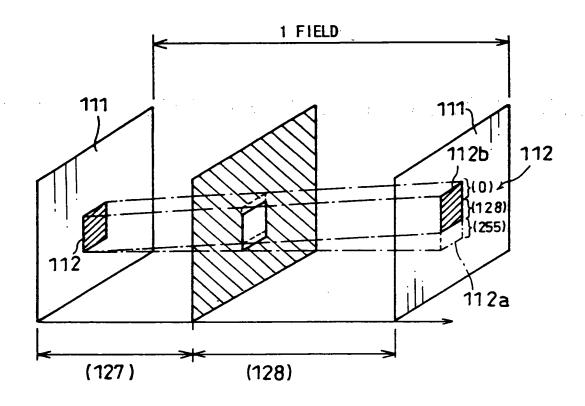


FIG. 64(a)

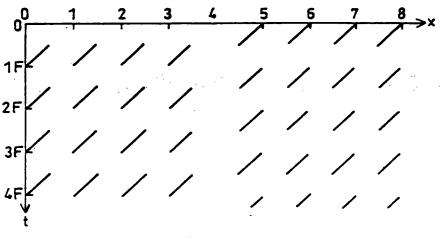


FIG. 64(b)

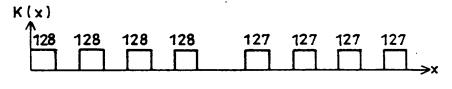


FIG. 64(c)

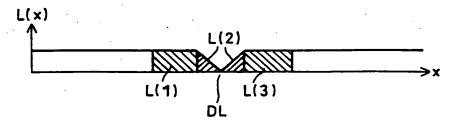
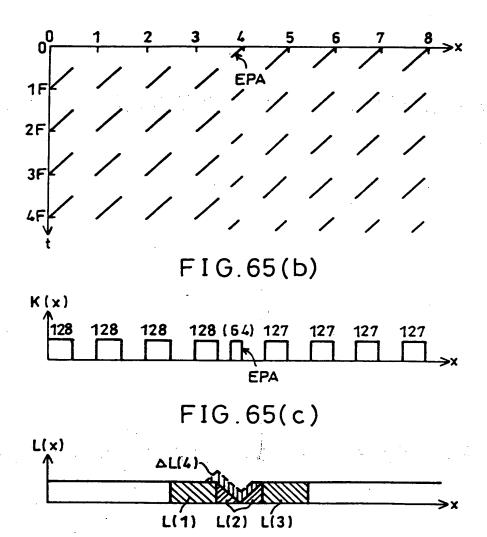


FIG. 65(a)



NUMBER OF SUB-FIELD	1	SUB-F1ELD								
HOMBER OF SOB FIELD	SF9	SF8	SF7	SF6	SF5	SF4~0				
8	-	- 1	128	64	32	16, 8, 4, 2, 1				
10	. 64	64	32	32	32	16, 8, 4, 2, 1				
10	48	48	48	48	32	16, 8, 4, 2, 1				